

has a rectangular notch 202 at its upper end to receive the arm 200. The arm is formed with a depending flange 204 which abuts the front of the door. This flange has corner holes 206 to receive anchoring screws 208. Depending eyes 210 are formed at the bottom end of the front of the cabinet to receive anchoring screws 212. An optical tube 214 is formed on arm 200 at its forward end. This tube has a downwardly inclined barrel 216 in which is a lens 218. In the optical path P' of the lens is an angularly disposed mirror 220 inside the barrel which deflects the scanned line of sight into the barrel 28a of video scanner 26 inside of cabinet 20a. Antenna 58 and cable 59 extend laterally of the cabinet. Microphone 55 and loudspeaker 56 are mounted behind openings 224 in the front wall 29a. These openings communicate with a passage 225 in the door protected by a perforated plate 226. Sound waves pass freely through this plate and passage 225 to and from the microphone and loudspeaker respectively.

The door 22a will be equipped with the power interlock switch and the solenoid controlled lock in the same manner as described in connection with FIGS. 1 and 7. The components of cabinet 20a will be connected in system 100 in the same manner as shown in FIG. 7. Motors 48, 50, relays 140, 144 and filters 130, 131 will be removed since cabinet 20a does not require them. Cabinet 20a is fixed in position. The optical field scanning lens 218 is so located that it encompasses the entire field F desired to be scanned in front of the door 22a by the video scanner 26.

Operation of the system employing cabinet 20a is the same as already described in connection with FIG. 7, with the exception of the motor drive for the cabinet.

In a security system employing cabinet 20 or 20a the same measure of security is afforded to the occupant P1 in the house or apartment 24. Complete and effective interview and surveillance of a visitor is had under control of occupant P1, with supervision and monitoring of the interview at the guard station if the occupant P1 deems it necessary.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and that various changes and modifications may

be made within the scope of the invention as defined in the appended claim.

What is claimed is:

1. A security system for protecting the interior of a place of residence having an entrance door, comprising a plurality of windows in the door disposed in vertically spaced array; protective plates covering the windows, respectively; means pivotally supporting said plates on the door to clear each of the windows; a cabinet containing a video scanning device; gear means movably supporting the cabinet to move in a vertical path at the door; motor means in the cabinet engaged with said gear means to drive the video scanning device in said vertical path past the windows while the cabinet pivots each protective plate in turn to clear its associated window for exposing said video scanning device at the cleared window; a video signal transmitter in said cabinet connected to said video scanning device to send a picture of a scanned field in front of each cleared window in turn to a remote location in the interior of said place of residence; radio receiver means in said cabinet; radio transmitter means at said remote location for sending radio signals to said radio receiver; power supply means connected to said motor means for energizing the same to drive the video scanning device up and down; and switch means connected in circuit with said power supply and said radio receiver means for turning on the motor means selectively in response to receipt of a signal from said radio transmitter means, whereby the field in front of each cleared window is scanned in turn.

References Cited

UNITED STATES PATENTS

2,146,512	2/1939	Phinney	178—5.6
2,914,746	11/1959	James	340—149
3,258,595	6/1966	Galante	250—199

OTHER REFERENCES

- RCA, Closed Circuit Television Systems, Book I, pp. 182—186, 1958.

ROBERT L. GRIFFIN, Primary Examiner

R. L. RICHARDSON, Assistant Examiner